

BURNER NOZZLE

ABSTRACT OF THE DISCLOSURE

5 A nozzle for a burner including a body having a first end adapted to attach to the burner and a second end configured to discharge gas and oxygen for combustion within an industrial furnace. The body has a plurality of tubes extending therethrough. Each tube has an inlet on the first end of the body, and an outlet on the second end of the body. The tubes are configured to be separate along a substantial length of the body, thereby ensuring that the tubes are not joined together to form a large cavity within the body. Preferably, any overlap between the tubes does not extend beyond ten percent of the overall length of the body. The structure of the nozzle provides thick, strong exterior walls of the body that resist failure.

09618030-071700